

Supplementary information

Metabarcoding of soil fungal communities in rupestrian grassland areas preserved and degraded by mining: implications for restoration

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Keywords: campo rupestre, Cerrado, functional guilds, fungi, post-mining restoration, soil microbial community

Fig. S1

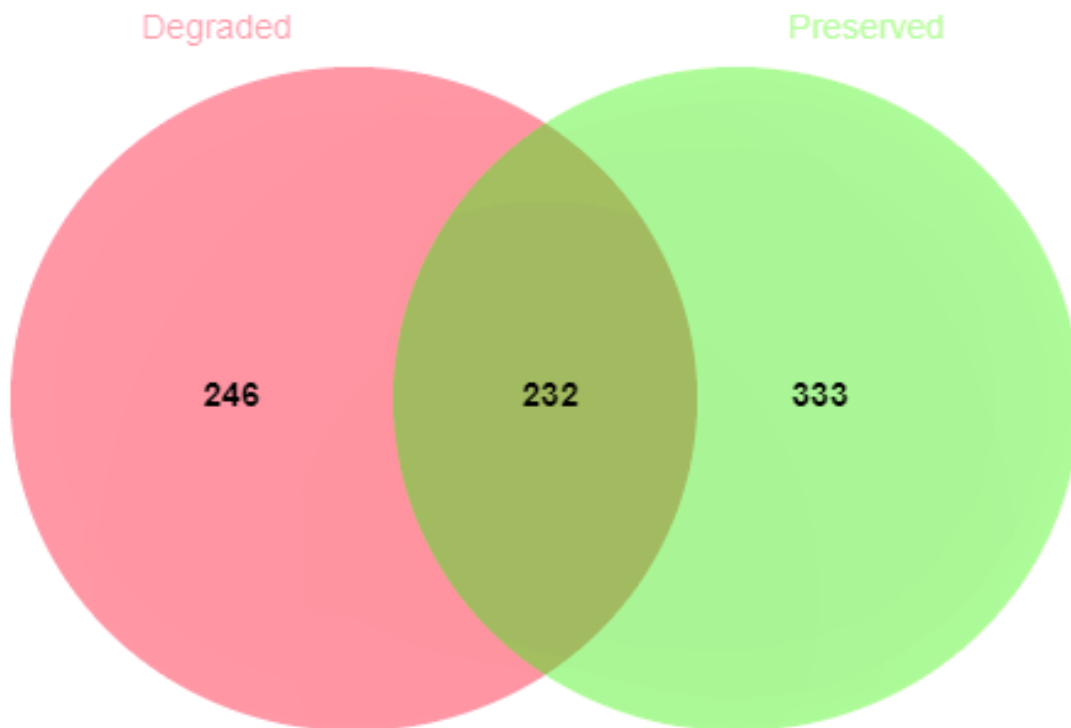


Fig. S1 Venn diagram showing the distribution of fungal ASVs in the preserved and degraded areas. In the preserved and degraded areas, 585 and 478 ASVs were found, respectively

Fig. S2

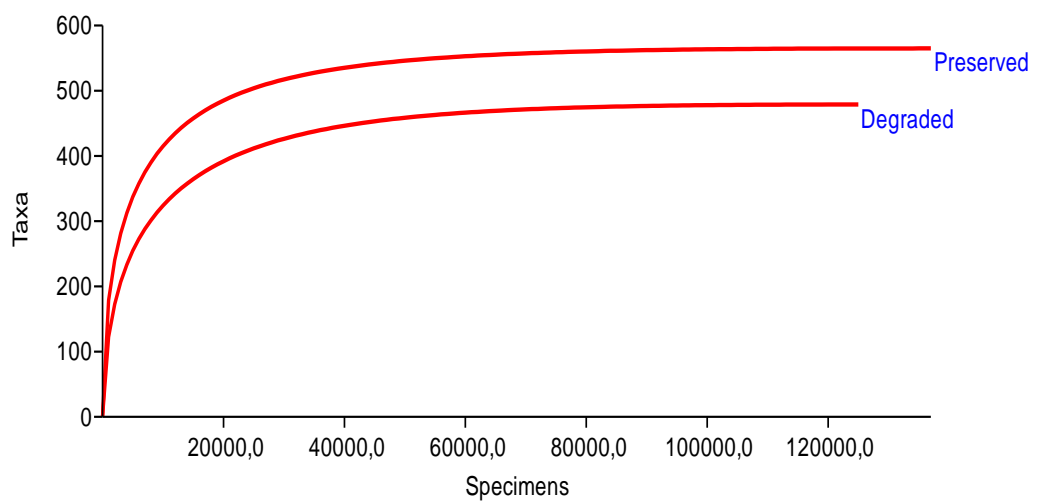


Fig. S2 Rarefaction curve of fungal sequences in the preserved and degraded rupestrian grassland areas

Table S1 Relative abundance of fungal amplicon sequence variants (ASVs) present in the preserved and degraded ferruginous rupestrian grassland areas.

Phylum	Fungal ASV (taxa)	Relative abundance %	
		Degraded area	Preserved area
<i>Ascomycota</i>	<i>Curvularia lunata</i>	21.694	0.007
	<i>Ascomycota</i> sp. 1	5.353	5.374
	<i>Penicillium</i> sp.	8.456	0.600
	<i>Chaetothyriales</i> sp. 2	5.197	0.306
	<i>Chaetothyriaceae</i> sp.	0.146	4.451
	<i>Phaeosphaeria</i> sp. 2	2.349	0.013
	<i>Didymellaceae</i> sp.	2.204	0.093
	<i>Helotiales</i> sp. 1	0.019	2.067
	<i>Chaetothyriales</i> sp. 1	0.959	1.018
	<i>Pseudogymnoascus roseus</i>	1.933	0.000
	<i>Leotiomyces</i> sp. 1	1.344	0.564
	<i>Hyaloscyphaceae</i> sp. 1	0.000	1.721
	<i>Cladosporium</i> sp.	0.817	0.506
	<i>Metarhizium carneum</i>	0.144	1.028
	<i>Capnodiales</i> sp. 2	0.156	0.982
	<i>Oidiodendron</i> sp. 2	0.000	1.125
	<i>Pseudogymnoascus appendiculatus</i>	0.899	0.215
	<i>Didymosphaeriaceae</i>	1.003	0.043
	<i>Capnodiales</i> sp. 1	0.047	0.938
	<i>Trichoderma</i> sp.	0.107	0.875
	<i>Leohumicola</i> sp. 1	0.026	0.816
	<i>Fusarium oxysporum</i>	0.468	0.337
	<i>Herpotrichiellaceae</i> sp. 2	0.039	0.731
	<i>Leotiomyces</i> sp. 3	0.000	0.723
	<i>Sordariomyces</i> sp. 1	0.122	0.594
	<i>Cladophialophora</i> sp. 2	0.232	0.462
	<i>Helotiales</i> sp. 4	0.000	0.692
	<i>Pleosporales</i> sp. 1	0.254	0.377
	<i>Pleosporales</i> sp. 2	0.472	0.134
	<i>Calonectria</i> sp.	0.000	0.541
	<i>Euteratosphaeria verrucosiafricana</i>	0.436	0.105
	<i>Thelebolus globosus</i>	0.413	0.113
	<i>Purpureocillium lilacinum</i>	0.427	0.084
	<i>Sordariomyces</i> sp. 2	0.079	0.379
	<i>Diaporthales</i> sp. 1	0.109	0.316
	<i>Xylaria apiculata</i>	0.415	0.005
	<i>Neopestalotiopsis</i> sp.	0.072	0.341
	<i>Pestalotiopsis trachicarpicola</i>	0.323	0.070
	<i>Veronaeopsis simplex</i>	0.006	0.359
	<i>Tolypocladium</i> sp. 1	0.155	0.194

<i>Talaromyces</i> sp.	0.069	0.254
<i>Xylariales</i> sp. 2	0.010	0.308
<i>Articulospora</i> sp.	0.222	0.093
<i>Aspergillus</i> sp.	0.306	0.000
<i>Hyaloscyphaceae</i> sp. 2	0.000	0.302
<i>Xylariales</i> sp. 3	0.008	0.289
<i>Chaetomium cupreum</i>	0.080	0.198
<i>Tetracladium</i> sp.	0.276	0.000
<i>Clavicipitaceae</i> sp. 2	0.006	0.267
<i>Verrucaria rosula</i>	0.266	0.000
<i>Knufia</i> sp.	0.013	0.252
<i>Paraconiothyrium</i> sp.	0.103	0.158
<i>Verrucariaceae</i> sp. 2	0.255	0.000
<i>Orbiliomycetes</i> sp.	0.091	0.148
<i>Herpotrichiellaceae</i> sp. 1	0.056	0.177
<i>Chaetomiaceae</i> sp. 1	0.140	0.086
<i>Aplosporella</i> sp.	0.226	0.000
<i>Schizoparmaceae</i> sp. 2	0.197	0.020
<i>Devriesia</i> sp. 2	0.095	0.121
<i>Eurotiomycetes</i> sp.	0.018	0.196
<i>Chaetosphaeria</i> sp. 1	0.000	0.206
<i>Nigrospora oryzae</i>	0.171	0.018
<i>Periconia byssoides</i>	0.155	0.026
<i>Coniochaetales</i> sp.	0.176	0.000
<i>Eurotiales</i> sp. 1	0.015	0.152
<i>Coniella</i> sp. 1	0.094	0.068
<i>Oidiodendron</i> sp. 1	0.005	0.156
<i>Pseudocercospora norchiensis</i>	0.127	0.034
<i>Dactylaria fragilis</i>	0.151	0.006
<i>Xylariales</i> sp. 1	0.004	0.152
<i>Rasamsonia</i> sp.	0.000	0.154
<i>Verticillium leptobactrum</i>	0.012	0.142
<i>Clonostachys candelabrum</i>	0.000	0.152
<i>Scytalidium</i> sp. 2	0.006	0.145
<i>Dothideales</i> sp. 2	0.000	0.151
<i>Pochonia bulbilosa</i>	0.085	0.063
<i>Dothideomycetes</i> sp. 1	0.067	0.081
<i>Fusarium</i> sp.	0.141	0.000
<i>Coniella</i> sp. 2	0.093	0.045
<i>Sordariales</i> sp. 2	0.019	0.117
<i>Chaetosphaeria chloroconia</i>	0.000	0.132
<i>Hypocreales</i> sp. 1	0.029	0.099
<i>Catenulostroma hermanusense</i>	0.103	0.025
<i>Cladonia</i> sp.	0.013	0.111
<i>Conlarium</i> sp. 2	0.049	0.067
<i>Metarhizium</i> sp.	0.022	0.092

<i>Acidomelania panicicola</i>	0.031	0.082
<i>Paraphaeosphaeria</i> sp.	0.092	0.020
<i>Penicillium simplicissimum</i>	0.019	0.090
<i>Sordaria fimicola</i>	0.052	0.053
<i>Nectriaceae</i> sp. 1	0.061	0.043
<i>Pseudopithomyces</i> sp.	0.094	0.010
<i>Geoglossum fallax</i>	0.000	0.103
<i>Talaromyces solicola</i>	0.013	0.082
<i>Cladosporium halotolerans</i>	0.087	0.006
<i>Nectriopsis rexiana</i>	0.000	0.091
<i>Bipolaris</i> sp.	0.088	0.002
<i>Strelitziana eucalypti</i>	0.089	0.000
<i>Cryptodiscus</i> sp.	0.000	0.088
<i>Hysteriales</i> sp.	0.000	0.086
<i>Oidiodendron maius</i>	0.000	0.084
<i>Saccharomycetales</i> sp.	0.000	0.082
<i>Pyrenochaetopsis leptospora</i>	0.015	0.063
<i>Lapidomyces hispanicus</i>	0.074	0.003
<i>Metarhizium anisopliae</i>	0.000	0.076
<i>Bartalinia robillardoides</i>	0.069	0.006
<i>Lecanoromycetes</i> sp. 1	0.000	0.074
<i>Metacordyceps chlamydosporia</i>	0.000	0.074
<i>Sordariales</i> sp. 1	0.025	0.049
<i>Trichoderma spirale</i>	0.010	0.063
<i>Plenodomus biglobosus</i>	0.073	0.000
<i>Tolypocladium album</i>	0.022	0.050
<i>Venturiaceae</i> sp. 2	0.000	0.070
<i>Preussia persica</i>	0.052	0.018
<i>Ilyonectria mors-panacis</i>	0.026	0.043
<i>Castanediella couratarii</i>	0.000	0.069
<i>Hyphodiscus hymeniophilus</i>	0.000	0.068
<i>Venturiales</i> sp.	0.013	0.054
<i>Sporothrix</i> sp.	0.003	0.064
<i>Pezicula</i> sp. 1	0.000	0.067
<i>Arachnopeziza</i> sp. 1	0.000	0.067
<i>Ochroconis</i> sp.	0.006	0.060
<i>Orbilia</i> sp. 2	0.043	0.023
<i>Pseudophialophora magnispora</i>	0.065	0.000
<i>Cladophialophora</i> sp. 1	0.015	0.048
<i>Helotiales</i> sp. 3	0.006	0.057
<i>Pochonia</i> sp.	0.047	0.016
<i>Trapelia coarctata</i>	0.063	0.000
<i>Diaporthe</i> sp.	0.027	0.036
<i>Scedosporium boydii</i>	0.000	0.062
<i>Phaeomoniellales</i> sp. 2	0.006	0.053
<i>Dermateaceae</i> sp.	0.037	0.022

<i>Curvularia sorghina</i>	0.058	0.000
<i>Arnium</i> sp.	0.053	0.005
<i>Phaeosphaeriaceae</i> sp.	0.053	0.004
<i>Letendraea helminthicola</i>	0.000	0.056
<i>Verrucariaceae</i> sp. 1	0.049	0.007
<i>Sagenomella striatispora</i>	0.028	0.028
<i>Mycosphaerellaceae</i> sp.	0.044	0.010
<i>Exophiala bergeri</i>	0.027	0.024
<i>Arthrocladium</i> sp.	0.008	0.042
<i>Beltraniaceae</i> sp.	0.000	0.049
<i>Volutella consors</i>	0.000	0.049
<i>Curvularia</i> sp.	0.047	0.000
<i>Hypocreales</i> sp. 2	0.022	0.025
<i>Scytalidium</i> sp. 1	0.017	0.030
<i>Xylogone</i> sp. 1	0.000	0.046
<i>Hyaloscypha</i> sp.	0.000	0.045
<i>Miniancora allisoniensis</i>	0.000	0.045
<i>Torula hollandica</i>	0.045	0.000
<i>Alternaria alternata</i>	0.023	0.022
<i>Coniochaetaceae</i> sp. 2	0.045	0.000
<i>Cephalotheca</i> sp.	0.000	0.044
<i>Hyphodiscus</i> sp.	0.044	0.000
<i>Fusarium solani</i>	0.044	0.000
<i>Cordyceps pruinosa</i>	0.043	0.000
<i>Beauveria amorpha</i>	0.013	0.030
<i>Orbilia</i> sp. 1	0.043	0.000
<i>Leohumicola</i> sp. 2	0.000	0.040
<i>Geomyces auratus</i>	0.000	0.040
<i>Fusculina eucalypti</i>	0.004	0.034
<i>Clonostachys</i> sp.	0.004	0.034
<i>Leotiomyces</i> sp. 2	0.038	0.000
<i>Sphaeropsis</i> sp.	0.017	0.020
<i>Chloridium</i> sp.	0.027	0.010
<i>GS35</i> sp.	0.027	0.009
<i>Pseudoteratosphaeria ohnowa</i>	0.024	0.012
<i>Sympoventuriaceae</i> sp. 1	0.022	0.014
<i>Lecanicillium psalliotae</i>	0.005	0.031
<i>Brycekendrickomyces acaciae</i>	0.004	0.032
<i>Kazachstania servazzii</i>	0.002	0.033
<i>Humicola grisea</i>	0.019	0.015
<i>Verrucaria baldensis</i>	0.033	0.000
<i>Myxospora crassiseta</i>	0.000	0.033
<i>Paraconiothyrium brasiliense</i>	0.033	0.000
<i>Aspergillus penicillioides</i>	0.028	0.005
<i>Onygenales</i> sp. 1	0.008	0.024
<i>Ramalina</i> sp.	0.000	0.032

<i>Cladophialophora carrionii</i>	0.032	0.000
<i>Camarosporula personiae</i>	0.012	0.019
<i>Thermoascaceae</i> sp.	0.000	0.031
<i>Chaetosphaeriaceae</i> sp. 1	0.000	0.031
<i>Aureobasidium pullulans</i>	0.024	0.007
<i>Archaeorhizomyces</i> sp.	0.000	0.030
<i>Pseudocercospora sphaerulinae</i>	0.021	0.009
<i>Talaromyces minioluteus</i>	0.010	0.020
<i>Antennariella placitae</i>	0.000	0.030
<i>Aureobasidium thailandense</i>	0.029	0.000
<i>Pyrenochaeta</i> sp. 2	0.023	0.005
<i>Tolypocladium</i> sp. 2	0.015	0.013
<i>Coniella tibouchinae</i>	0.011	0.017
<i>Phialemoniopsis</i> sp. 1	0.000	0.028
<i>Cladonia mauritiana</i>	0.000	0.027
<i>Candida fluviatilis</i>	0.000	0.027
<i>Halosphaeriaceae</i> sp.	0.000	0.027
<i>Beltraniella</i> sp.	0.000	0.027
<i>Mycosphaerella nawae</i>	0.027	0.000
<i>Colletotrichum</i> sp.	0.018	0.009
<i>Didymosphaeriaceae</i> sp.	0.026	0.000
<i>Sympoventuriaceae</i> sp. 2	0.000	0.026
<i>Venturiaceae</i> sp. 1	0.000	0.026
<i>Sporormiaceae</i> sp. 1	0.025	0.000
<i>Phaeosphaeria podocarp</i>	0.004	0.021
<i>Talaromyces hachijoensis</i>	0.000	0.025
<i>Ascomycota</i> sp. 2	0.000	0.025
<i>Cladophialophora humicola</i>	0.004	0.020
<i>Scleropezicula</i> sp.	0.000	0.024
<i>Cordycipitaceae</i> sp.	0.012	0.012
<i>Eurotiales</i> sp. 2	0.000	0.024
<i>Physciaceae</i> sp.	0.000	0.024
<i>Coniothyrium</i> sp.	0.023	0.000
<i>Glutinoglossum</i> sp.	0.000	0.023
<i>Hyaloscypha aureliella</i>	0.023	0.000
<i>Penicillium herquei</i>	0.000	0.022
<i>Lipomyces kononenkoae</i>	0.011	0.011
<i>Talaromyces atricola</i>	0.000	0.022
<i>Lauriomyces bellulus</i>	0.000	0.022
<i>Leohumicola verrucosa</i>	0.000	0.022
<i>Aspergillaceae</i> sp.	0.014	0.007
<i>Phaeosphaeria</i> sp. 1	0.004	0.017
<i>Usnea</i> sp.	0.000	0.020
<i>Strelitziana australiensis</i>	0.020	0.000
<i>Purpureocillium</i> sp.	0.020	0.000
<i>Periconia</i> sp. 2	0.009	0.011

<i>Mycosphaerella</i> sp.	0.009	0.011
<i>Trapeliopsis</i> sp.	0.019	0.000
<i>Periconia</i> sp. 1	0.013	0.006
<i>Phacidium lacerum</i>	0.005	0.014
<i>Pseudoteratosphaeria secundaria</i>	0.016	0.002
<i>Chaetosphaeria vermicularioides</i>	0.004	0.014
<i>Thozetella</i> sp. 1	0.000	0.018
<i>Chalara pseudoaffinis</i>	0.017	0.000
<i>Speiropsis scopiformis</i>	0.009	0.009
<i>Stemphylium</i> sp.	0.000	0.017
<i>Lecanicillium primulinum</i>	0.000	0.017
<i>Paraphaeosphaeria pilleata</i>	0.000	0.016
<i>Lophiostoma</i> sp.	0.003	0.013
<i>Satchmopsis brasiliensis</i>	0.000	0.016
GS33 sp.	0.000	0.016
<i>Chaetosphaeria</i> sp. 2	0.000	0.016
<i>Cercospora olivascens</i>	0.015	0.000
<i>Dothideomycetes</i> sp. 2	0.015	0.000
<i>Helotiaceae</i> sp.	0.008	0.007
<i>Microdochium</i> sp.	0.005	0.011
<i>Aspergillus restrictus</i>	0.015	0.000
<i>Leotiomyces</i> sp. 4	0.015	0.000
<i>Metarhizium marquandii</i>	0.015	0.000
<i>Pleurotheciaceae</i> sp.	0.015	0.000
<i>Devriesia</i> sp. 1	0.011	0.004
<i>Coniochaeta</i> sp. 2	0.007	0.008
<i>Botryosphaeriales</i> sp.	0.000	0.014
<i>Teichosporaceae</i> sp.	0.000	0.014
<i>Mariannaea samuelsii</i>	0.000	0.014
<i>Clavicipitaceae</i> sp. 1	0.013	0.001
<i>Rachicladosporium cboliae</i>	0.011	0.003
<i>Calyptrozyna</i> sp.	0.004	0.010
<i>Ochroconis gamsii</i>	0.000	0.014
<i>Dactylella mammillata</i>	0.000	0.014
<i>Teichospora mariae</i>	0.004	0.009
<i>Parmeliaceae</i> sp.	0.000	0.013
<i>Diaporthales</i> sp. 2	0.000	0.013
<i>Beauveria felina</i>	0.000	0.013
<i>Pseudophialophora</i> sp.	0.000	0.013
<i>Penidiella aggregata</i>	0.013	0.000
<i>Ophiosphaerella</i> sp. 1	0.013	0.000
<i>Clonostachys rosea</i>	0.006	0.007
<i>Phaeococcomyces</i> sp.	0.000	0.013
<i>Penicillium maximae</i>	0.000	0.013
<i>Arthrotrys entomopaga</i>	0.000	0.013
<i>Kazachstania barnettii</i>	0.000	0.013

<i>Nectriaceae</i> sp. 2	0.000	0.013
<i>Edenia gomezpompae</i>	0.012	0.000
<i>Cyclaneusma niveum</i>	0.012	0.000
<i>Sclerotiniaceae</i> sp. 1	0.012	0.000
<i>Teratosphaericola</i> sp.	0.010	0.002
<i>Trapeliaceae</i> sp.	0.007	0.005
<i>Beltrania rhombica</i>	0.000	0.012
<i>Phaeophleospora stramenti</i>	0.011	0.000
<i>Neodevriesia poagensis</i>	0.011	0.000
<i>Pseudeurotium</i> sp.	0.011	0.000
<i>Debaryomyces</i> sp.	0.011	0.000
<i>Strelitziana</i> sp.	0.009	0.003
<i>Arthrimum rasikravindrae</i>	0.004	0.007
<i>Mycosphaerella pseudocryptica</i>	0.000	0.011
<i>Exophiala moniliae</i>	0.000	0.011
<i>Rachicladospodium</i> sp.	0.011	0.000
<i>Hypoxylon begae</i>	0.011	0.000
<i>Neoceratosperma yunnanensis</i>	0.007	0.003
<i>Helotiales</i> sp. 2	0.007	0.004
<i>Orbiliaceae</i> sp.	0.005	0.006
<i>Phomopsis</i> sp. 2	0.004	0.007
<i>Scleroconidioma sphagnicola</i>	0.000	0.011
<i>Chalara microspora</i>	0.000	0.011
<i>Lachnum pygmaeum</i>	0.000	0.011
<i>Coniochaeta ligniaria</i>	0.000	0.011
<i>Volutella</i> sp.	0.000	0.011
<i>Anungitea eucalyptorum</i>	0.000	0.011
<i>Acrocalymma fici</i>	0.010	0.000
<i>Xylariaceae</i> sp. 1	0.010	0.000
<i>Trichomerium foliicola</i>	0.005	0.005
<i>Lophiostomataceae</i> sp.	0.000	0.010
<i>Rasamsonia brevistipitata</i>	0.000	0.010
<i>Pezicula</i> sp. 2	0.000	0.010
<i>Hymenoscyphus serotinus</i>	0.000	0.010
<i>Cercospora</i> sp.	0.009	0.000
<i>Phialophora livistonae</i>	0.009	0.000
<i>Coniochaetaceae</i> sp. 1	0.009	0.000
<i>Schizoparmaceae</i> sp. 1	0.009	0.000
<i>Conlarium</i> sp. 1	0.009	0.000
<i>Hypoxylon duranii</i>	0.009	0.000
<i>Exophiala</i> sp. 1	0.003	0.007
<i>Pseudeurotium ovale</i>	0.000	0.009
<i>Thozetella</i> sp. 2	0.000	0.009
<i>Virgaria nigra</i>	0.009	0.000
<i>Neoscochyta paspali</i>	0.009	0.000
<i>Crocicreas</i> sp.	0.003	0.006

<i>Dothiorella</i> sp. 1	0.000	0.009
<i>Arxiella dolichandrae</i>	0.000	0.009
<i>Cladophialophora chaetospira</i>	0.000	0.009
<i>Talaromyces yelensis</i>	0.000	0.009
<i>Arachnopeziza</i> sp. 2	0.000	0.009
<i>Oidiodendron echinulatum</i>	0.000	0.009
<i>Pyrenochaeta</i> sp. 1	0.008	0.000
<i>Ochroconis sexualis</i>	0.008	0.000
<i>Crucellisporiopsis marquesiae</i>	0.001	0.007
<i>Phyllosticta</i> sp.	0.000	0.008
<i>Hypotrachyna</i> sp. 1	0.000	0.008
<i>Chaetosphaeriaceae</i> sp. 2	0.000	0.008
<i>Neofusicoccum parvum</i>	0.007	0.000
<i>Devriesia strelitziicola</i>	0.007	0.000
<i>Wojnowicia viburni</i>	0.007	0.000
<i>Dothiorella</i> sp. 2	0.000	0.007
<i>Capnodiaceae</i> sp.	0.000	0.007
<i>Penicillium catenatum</i>	0.000	0.007
<i>Myriodontium keratinophilum</i>	0.000	0.007
<i>Hymenoscyphus</i> sp.	0.000	0.007
<i>Leohumicola terminalis</i>	0.000	0.007
<i>Phomopsis</i> sp. 1	0.000	0.007
<i>Lunulospora</i> sp.	0.000	0.007
<i>Polyscytalum pustulans</i>	0.000	0.007
<i>Pestalotiopsis</i> sp.	0.000	0.007
<i>Setophoma vernoniae</i>	0.007	0.000
<i>Aspergillus sparsus</i>	0.007	0.000
<i>Paraconiothyrium archidendri</i>	0.000	0.007
<i>Cladophialophora mycetomatis</i>	0.000	0.007
<i>Penicillium bilaiae</i>	0.000	0.007
<i>Amphobotrys ricini</i>	0.006	0.000
<i>Toxicocladosporium</i> sp.	0.006	0.000
<i>Pleosporaceae</i> sp.	0.006	0.000
<i>Cladophialophora scillae</i>	0.006	0.000
<i>Aspergillus gracilis</i>	0.006	0.000
<i>Verrucaria</i> sp.	0.006	0.000
<i>Ophiocordycipitaceae</i> sp.	0.006	0.000
<i>Myrothecium verrucaria</i>	0.006	0.000
<i>Pyricularia</i> sp.	0.006	0.000
<i>Alysiidiella parasitica</i>	0.001	0.005
<i>Periconia macrospinosa</i>	0.000	0.006
<i>Fellhanera bouteillei</i>	0.000	0.006
<i>Valsonectria pulchella</i>	0.000	0.006
<i>Cylindrocladiella elegans</i>	0.000	0.006
<i>Hirsutella</i> sp.	0.000	0.006
<i>Chaetomiaceae</i> sp. 2	0.000	0.006

<i>Atractospora reticulata</i>	0.000	0.006
<i>Flavomyces fulophazii</i>	0.005	0.000
<i>Roussoella solani</i>	0.005	0.000
<i>Strelitziana albiziae</i>	0.005	0.000
<i>Penicillium nodositatum</i>	0.005	0.000
<i>Fusicolla</i> sp.	0.005	0.000
<i>Pleurotheciella</i> sp.	0.005	0.000
<i>Hypocopra rostrata</i>	0.005	0.000
<i>Conioscypha minutispora</i>	0.004	0.001
<i>Phialemoniopsis cornearis</i>	0.003	0.002
<i>Sphaceloma</i> sp.	0.001	0.004
<i>Archaeorhizomycetes</i> sp.	0.000	0.005
<i>Dothideales</i> sp. 1	0.000	0.005
<i>Pseudorobillarda siamensis</i>	0.000	0.005
<i>Penicillium arenicola</i>	0.000	0.005
<i>Paranannizziopsis californiensis</i>	0.000	0.005
<i>Arachnotheca glomerata</i>	0.000	0.005
<i>Hypotrachyna</i> sp. 2	0.000	0.005
<i>Myxotrichaceae</i> sp.	0.000	0.005
<i>Pseudeurotiaceae</i> sp. 1	0.000	0.005
<i>Clonostachys divergens</i>	0.000	0.005
<i>Hypomyces ochraceus</i>	0.000	0.005
<i>Xylariaceae</i> sp. 2	0.000	0.005
<i>Lasiodiplodia</i> sp.	0.005	0.000
<i>Capnobotryella</i> sp.	0.005	0.000
<i>Neocoleroa metrosideri</i>	0.005	0.000
<i>Sarcogyne regularis</i>	0.005	0.000
<i>Sugiyamaella</i> sp.	0.005	0.000
<i>Echria</i> sp.	0.005	0.000
<i>Xylaria</i> sp.	0.005	0.000
<i>Ochroconis cordanae</i>	0.000	0.005
<i>Talaromyces tratensis</i>	0.000	0.005
<i>Phaeomoniellales</i> sp. 1	0.000	0.005
<i>Gibberella zeae</i>	0.000	0.005
<i>Sordaria</i> sp.	0.000	0.005
<i>Setophoma</i> sp. 1	0.004	0.000
<i>Teichospora trabicola</i>	0.004	0.000
<i>Fonsecaea</i> sp.	0.004	0.000
<i>Penicillium lignorum</i>	0.004	0.000
<i>Chaetomium atrobrunneum</i>	0.004	0.000
<i>Rhexoacrodictys fimicola</i>	0.004	0.000
<i>Hypoxylon</i> sp.	0.004	0.000
<i>Cyphellophora</i> sp.	0.003	0.001
<i>Abrothallus secedens</i>	0.000	0.004
<i>Tetraplosphaeriaceae</i> sp.	0.000	0.004
<i>Plectania rhytidia</i>	0.000	0.004

<i>Coniella wangiensis</i>	0.000	0.004
<i>Beauveria</i> sp.	0.000	0.004
<i>Cylindrocladiella</i> sp.	0.000	0.004
<i>Neurospora terricola</i>	0.000	0.004
<i>Phacidiella eucalypti</i>	0.003	0.000
<i>Cladosporium sphaerospermum</i>	0.003	0.000
<i>Spegazzinia</i> sp.	0.003	0.000
<i>Teichospora rubriostiolata</i>	0.003	0.000
<i>Exophiala xenobiotica</i>	0.003	0.000
<i>Onygenales</i> sp. 2	0.003	0.000
<i>Infundichalara</i> sp.	0.003	0.000
<i>Rhizoscyphus</i> sp.	0.003	0.000
<i>Spathaspora passalidarum</i>	0.003	0.000
<i>Valsaceae</i> sp.	0.003	0.000
<i>Metarhizium acridum</i>	0.003	0.000
<i>Vermiculariopsiella dichapetali</i>	0.003	0.000
<i>Apiosporaceae</i> sp.	0.003	0.000
<i>Daldinia caldariorum</i>	0.003	0.000
<i>Acremonium polychromum</i>	0.002	0.001
<i>Neofusicoccum</i> sp.	0.000	0.003
<i>Readeriella</i> sp.	0.000	0.003
<i>Cenococcum</i> sp.	0.000	0.003
<i>Helminthosporium asterinum</i>	0.000	0.003
<i>Phaeosphaeriaceae</i> sp.	0.000	0.003
<i>Nigrograna</i> sp.	0.000	0.003
<i>Sporormiaceae</i> sp. 2	0.000	0.003
<i>Chaetothyrium agathis</i>	0.000	0.003
<i>Penicillium cryptum</i>	0.000	0.003
<i>Cladonia diversa</i>	0.000	0.003
<i>Gymnostellatospora</i> sp.	0.000	0.003
<i>Isaria cateniannulata</i>	0.000	0.003
<i>Pseudoramichloridium henryi</i>	0.003	0.000
<i>Penidiella</i> sp.	0.003	0.000
<i>Trichobotrys effusa</i>	0.003	0.000
<i>Aspergillus felis</i>	0.003	0.000
<i>Cladonia coniocraea</i>	0.003	0.000
<i>Trichoderma orientale</i>	0.003	0.000
<i>Hypoxylon carneum</i>	0.003	0.000
<i>Aspergillus janus</i>	0.001	0.001
<i>Elsinoaceae</i> sp.	0.000	0.003
<i>Aspergillus cervinus</i>	0.000	0.003
<i>Idriella lunata</i>	0.000	0.003
<i>Hyaloscypha albohyalina</i>	0.000	0.003
<i>Oidiodendron periconioides</i>	0.000	0.003
<i>Sclerotiniaceae</i> sp. 2	0.000	0.003
<i>Menispora manitobaensis</i>	0.000	0.003

	<i>Simplicillium</i> sp.	0.000	0.003
	<i>Trichoderma virens</i>	0.000	0.003
	<i>Stachybotryaceae</i> sp.	0.000	0.003
	<i>Diplogelasinospora inaequalis</i>	0.000	0.003
	<i>Recurvomyces mirabilis</i>	0.002	0.000
	<i>Lophiostoma cynaroidis</i>	0.002	0.000
	<i>Scolecobasidium</i> sp.	0.002	0.000
	<i>Ceramothyrium melastoma</i>	0.002	0.000
	<i>Exophiala</i> sp. 2	0.002	0.000
	<i>Lecanorales</i> sp.	0.002	0.000
	<i>Geomyces</i> sp.	0.002	0.000
	<i>Colpoma</i> sp.	0.002	0.000
	<i>Pyrigemmula aurantiaca</i>	0.002	0.000
	<i>Chrysofolia colombiana</i>	0.002	0.000
	<i>Myriogenospora atramentosa</i>	0.002	0.000
	<i>Trichoderma chlorosporum</i>	0.002	0.000
	<i>Fusarium nematophilum</i>	0.002	0.000
	<i>Pseudocercospora humuli</i>	0.000	0.002
	<i>Pseudocercospora</i> sp.	0.000	0.002
	<i>Melanommataceae</i> sp.	0.000	0.002
	<i>Aspergillus inflatus</i>	0.000	0.002
	<i>Penicillium cainii</i>	0.000	0.002
	<i>Absconditella rubra</i>	0.000	0.002
	<i>Periglandula</i> sp.	0.000	0.002
	<i>Lecanicillium</i> sp.	0.000	0.002
	<i>Escovopsis</i> sp.	0.000	0.002
	<i>Acremonium cavaraeanum</i>	0.000	0.002
	<i>Mycoleptodiscus</i> sp.	0.000	0.002
	<i>Hawksworthiomyces lignivorus</i>	0.000	0.002
	<i>Teratosphaeriaceae</i> sp.	0.001	0.000
	<i>Rhinocladiella</i> sp.	0.001	0.000
	<i>Lophodermium minus</i>	0.001	0.000
	<i>Debaryomycetaceae</i> sp.	0.001	0.000
	<i>Cytospora</i> sp.	0.001	0.000
	<i>Acremonium curvulum</i>	0.001	0.000
	<i>Pleurothecium semifecundum</i>	0.001	0.000
	<i>Phialemoniopsis ocularis</i>	0.001	0.000
	<i>Trapeliopsis californica</i>	0.000	0.001
	<i>Pseudolachnea fraxini</i>	0.000	0.001
	<i>Coniochaeta</i> sp. 1	0.000	0.001
<i>Basidiomycota</i>	<i>Inocybe</i> sp.	0.003	6.826
	<i>Ceratobasidiaceae</i> sp. 1	4.085	0.038
	<i>Saitozyma podzolica</i>	0.079	2.567
	<i>Agaricales</i> sp.	0.049	2.384
	<i>Rhodocollybia</i> sp.	0.000	2.425
	<i>Lactifluus subiculatus</i>	0.000	2.341

<i>Clitopilus</i> sp. 2	1.984	0.032
<i>Thelephoraceae</i> sp. 1	0.003	1.963
<i>Agaricomycetes</i> sp. 1	0.080	1.601
<i>Sebacinales</i> sp. 3	0.048	1.310
<i>Trechispora</i> sp. 3	0.121	1.102
<i>Agaricomycetes</i> sp. 2	0.424	0.681
<i>Lactifluus</i> sp. 2	0.003	1.004
<i>Rhodotorula mucilaginosa</i>	0.995	0.003
<i>Atheliales</i> sp.	0.000	0.911
<i>Trechispora</i> sp. 1	0.000	0.637
<i>Thelephoraceae</i> sp. 2	0.000	0.555
<i>Basidiomycota</i> sp. 1	0.025	0.470
<i>Marasmiellus foliiphilus</i>	0.005	0.403
<i>Geminibasidium hirsutum</i>	0.052	0.347
<i>Hydnodontaceae</i> sp.	0.000	0.361
<i>Resinomyцена</i> sp.	0.000	0.333
<i>Arthromyces matolae</i>	0.280	0.000
<i>Dennisiomyces</i> sp.	0.000	0.260
<i>Russula puiggarii</i>	0.000	0.225
<i>Athelopsis lembospora</i>	0.000	0.212
<i>Clavaria fragilis</i>	0.000	0.201
<i>Delicatula integrella</i>	0.000	0.201
<i>Clavariaceae</i> sp. 2	0.035	0.162
<i>Clavulina</i> sp.	0.000	0.190
<i>Hygrocybe</i> sp. 2	0.000	0.184
<i>Mucronella</i> sp.	0.000	0.180
<i>Mycena</i> sp. 1	0.008	0.143
<i>Coriolaceae</i> sp.	0.149	0.000
<i>Auriculariales</i> sp. 2	0.000	0.138
<i>Ceratobasidiaceae</i> sp. 2	0.000	0.132
<i>Leucosporidiaceae</i> sp.	0.131	0.000
<i>Leucosporidiales</i> sp. 2	0.027	0.081
<i>Entoloma</i> sp. 1	0.000	0.104
<i>Tremellales</i> sp. 1	0.002	0.079
<i>Omphalotaceae</i> sp.	0.000	0.078
<i>Tremellales</i> sp. 2	0.005	0.070
<i>Agaricaceae</i> sp. 1	0.017	0.053
<i>Clavaria</i> sp. 2	0.000	0.070
<i>Botryobasidiaceae</i> sp. 2	0.063	0.000
<i>Clavaria</i> sp. 1	0.000	0.063
<i>Trichosporon wieringae</i>	0.000	0.061
<i>Clitopilus</i> sp. 1	0.000	0.057
<i>Wallemia</i> sp.	0.055	0.000
<i>Stephanosporaceae</i> sp.	0.000	0.054
<i>Mrakia frigida</i>	0.052	0.000
<i>Pisolithus</i> sp.	0.048	0.000

<i>Polyporales</i> sp.	0.047	0.000
<i>Botryobasidiaceae</i> sp. 1	0.047	0.000
<i>Rigidoporus</i> sp.	0.029	0.016
<i>Agaricaceae</i> sp. 2	0.006	0.038
<i>Amanita</i> sp.	0.000	0.043
<i>Leucosporidiella creatinivora</i>	0.042	0.000
<i>Malassezia restricta</i>	0.041	0.000
<i>Apiotrichum laibachii</i>	0.000	0.040
<i>Clavariaceae</i> sp. 1	0.009	0.028
<i>Microbotryomycetes</i> sp. 1	0.007	0.030
<i>Mycena</i> sp. 2	0.000	0.037
<i>Peniophorella praetermissa</i>	0.000	0.035
<i>Cryptotrichosporon</i> sp.	0.027	0.007
<i>Clavaria citrinorubra</i>	0.000	0.033
<i>Hygrocybe</i> sp. 1	0.000	0.033
<i>Peniophoraceae</i> sp.	0.033	0.000
<i>Trechisporales</i>	0.005	0.026
<i>Henningsomyces puber</i>	0.030	0.000
<i>Xenasmateella ardosiacae</i>	0.007	0.023
<i>Agaricus</i> sp. 1	0.004	0.026
<i>Peniophora</i> sp.	0.028	0.000
<i>Marasmius haematocephalus</i>	0.000	0.028
<i>Asterostroma cervicolor</i>	0.000	0.026
<i>Hannaella</i> sp.	0.000	0.026
<i>Panaeolus cyanescens</i>	0.025	0.000
<i>Rhizoctonia</i> sp.	0.005	0.020
<i>Geastrum</i> sp. 2	0.000	0.025
<i>Sebacina</i> sp. 1	0.000	0.025
<i>Rhodosporeidiobolus</i> sp.	0.000	0.025
<i>Colacogloea philyla</i>	0.000	0.024
<i>Apiotrichum xylopi</i>	0.000	0.023
<i>Hyphodontia radula</i>	0.006	0.015
<i>Sebacinales</i> sp. 1	0.000	0.021
<i>Sistotrema coronilla</i>	0.021	0.000
<i>Geastrum</i> sp. 1	0.021	0.000
<i>Steccherinum</i> sp.	0.020	0.000
<i>Gymnopus omphalodes</i>	0.000	0.020
<i>Kurtzmanomyces</i> sp.	0.019	0.000
<i>Microbotryomycetes</i> sp. 2	0.011	0.008
<i>Goffeazyma</i> sp.	0.019	0.000
<i>Lycoperdon pratense</i>	0.018	0.000
<i>Auriculariales</i> sp. 1	0.000	0.018
<i>Serendipitaceae</i> sp.	0.000	0.018
<i>Trechisporales</i> sp.	0.005	0.012
<i>Ceratobasidium ramicola</i>	0.000	0.016
<i>Sebacinaceae</i> sp.	0.000	0.016

<i>Clavaria falcata</i>	0.000	0.016
<i>Funalia floccosa</i>	0.015	0.000
<i>Erythrobasidium</i> sp.	0.015	0.000
<i>Gymnopilus dilepis</i>	0.000	0.015
<i>Gymnopilus luteofolius</i>	0.000	0.015
<i>Ganoderma australe</i>	0.015	0.000
<i>Cystobasidiomycetes</i> sp.	0.008	0.007
<i>Lyophyllaceae</i> sp.	0.000	0.014
<i>Tremella globispora</i>	0.002	0.012
<i>Phanerochaete sordida</i>	0.013	0.000
<i>Thanatephorus cucumeris</i>	0.000	0.012
<i>Byssocorticium</i> sp.	0.000	0.011
<i>Papiliotrema flavescens</i>	0.000	0.011
<i>Phlebiella borealis</i>	0.011	0.000
<i>Sebacinales</i> sp. 2	0.011	0.000
<i>Leucosporidiales</i> sp. 1	0.011	0.000
<i>Clitopilus hobsonii</i>	0.005	0.006
<i>Marasmius</i> sp.	0.000	0.011
<i>Rhodotorula</i> sp.	0.000	0.011
<i>Syzygospora</i> sp.	0.000	0.011
<i>Exidia</i> sp.	0.010	0.000
<i>Hypochnicium</i> sp.	0.010	0.000
<i>Pucciniomycetes</i> sp.	0.002	0.008
<i>Marasmiaceae</i> sp.	0.000	0.010
<i>Thanatephorus</i> sp.	0.000	0.010
<i>Schizophyllum commune</i>	0.009	0.000
<i>Peniophora pithya</i>	0.009	0.000
<i>Gymnopus melanopus</i>	0.000	0.009
<i>Ustilaginaceae</i> sp.	0.000	0.009
<i>Russulales</i> sp.	0.009	0.000
<i>Clavulinaceae</i> sp.	0.000	0.009
<i>Coprinopsis</i> sp. 2	0.008	0.000
<i>Colacogloea eucalyptica</i>	0.008	0.000
<i>Basidiomycota</i> sp. 2	0.008	0.000
<i>Pluteus glaucotinctus</i>	0.000	0.008
<i>Xenasmateella vaga</i>	0.000	0.008
<i>Phaeotremella skinneri</i>	0.000	0.007
<i>Sirobasidium brefeldianum</i>	0.000	0.007
<i>Stereaceae</i> sp.	0.007	0.000
<i>Cystobasidium pinicola</i>	0.007	0.000
<i>Cystobasidium slooffiae</i>	0.007	0.000
<i>Microsporomyces</i> sp.	0.007	0.000
<i>Malassezia japonica</i>	0.007	0.000
<i>Atheliaceae</i> sp.	0.000	0.007
<i>Entoloma</i> sp. 2	0.000	0.006
<i>Hypochnicium lydoniae</i>	0.000	0.006

<i>Steccherinum ochraceum</i>	0.000	0.006
<i>Gjaerumia minor</i>	0.000	0.006
<i>Geminibasidium donsium</i>	0.000	0.006
<i>Psathyrella candolleana</i>	0.005	0.000
<i>Psathyrella</i> sp.	0.005	0.000
<i>Boletaceae</i> sp.	0.005	0.000
<i>Panus strigellus</i>	0.005	0.000
<i>Peniophora laxitexta</i>	0.005	0.000
<i>Auriculosocypha anacardiicola</i>	0.005	0.000
<i>Septobasidium</i> sp.	0.005	0.000
<i>Vishniacozyma victoriae</i>	0.005	0.000
<i>Agaricus</i> sp. 2	0.000	0.005
<i>Clavaria tenuipes</i>	0.000	0.005
<i>Entoloma cetratum</i>	0.000	0.005
<i>Dactylosporina steffenii</i>	0.000	0.005
<i>Phlebia</i> sp.	0.000	0.005
<i>Rickenella indica</i>	0.000	0.005
<i>Lactifluus</i> sp. 1	0.000	0.005
<i>Lycoperdon</i> sp.	0.005	0.000
<i>Armillaria</i> sp.	0.005	0.000
<i>Psilocybe cubensis</i>	0.005	0.000
<i>Gyrodontium sacchari</i>	0.005	0.000
<i>Ceriporia lacerata</i>	0.005	0.000
<i>Xylodon detriticus</i>	0.005	0.000
<i>Kockovaella</i> sp.	0.005	0.000
<i>Papiliotrema nemorosus</i>	0.005	0.000
<i>Cryptococcus uniguttulatus</i>	0.005	0.000
<i>Coprinellus micaceus</i>	0.002	0.003
<i>Nidulariopsis iowensis</i>	0.000	0.005
<i>Rickenella</i> sp.	0.000	0.005
<i>Pseudobensingtonia musae</i>	0.000	0.005
<i>Tremellomycetes</i> sp.	0.000	0.005
<i>Coprinopsis</i> sp. 1	0.004	0.000
<i>Tropicoporus tropicalis</i>	0.004	0.000
<i>Phanerochaete chrysosporium</i>	0.004	0.000
<i>Phanerochaete</i> sp.	0.004	0.000
<i>Sterigmatomyces halophilus</i>	0.004	0.000
<i>Malassezia globosa</i>	0.004	0.000
<i>Vanrija humicola</i>	0.004	0.000
<i>Hydropus</i> sp.	0.000	0.004
<i>Serendipita vermifera</i>	0.000	0.004
<i>Coprinellus</i> sp.	0.003	0.000
<i>Tapinella atrotomentosa</i>	0.003	0.000
<i>Hyphodontia microspora</i>	0.003	0.000
<i>Tubulicrinis glebulosus</i>	0.003	0.000
<i>Sporidiobolales</i> sp.	0.003	0.000

	<i>Vishniacozyma dimennae</i>	0.003	0.000
	<i>Micropsalliota</i> sp.	0.000	0.003
	<i>Trechispora</i> sp. 2	0.000	0.003
	<i>Genolevuria armeniaca</i>	0.000	0.003
	<i>Leucocoprinus fragilissimus</i>	0.003	0.000
	<i>Calvatia</i> sp.	0.003	0.000
	<i>Podaxis</i> sp.	0.003	0.000
	<i>Sistotrema brinkmannii</i>	0.003	0.000
	<i>Vuilleminia erastii</i>	0.003	0.000
	<i>Ceriporia</i> sp.	0.003	0.000
	<i>Phanerochaetaceae</i> sp.	0.003	0.000
	<i>Atractiellales</i> sp.	0.003	0.000
	<i>Clinoconidium sawadae</i>	0.003	0.000
	<i>Sporidiobolales</i> sp	0.003	0.000
	<i>Dioszegia zsoldii</i> var. <i>yunnanensis</i>	0.003	0.000
	<i>Entoloma jubatum</i>	0.000	0.003
	<i>Hygrocybe miniata</i>	0.000	0.003
	<i>Russula</i> sp.	0.000	0.003
	<i>Rhodotorula nothofagi</i>	0.000	0.003
	<i>Genolevuria</i> sp.	0.000	0.003
	<i>Psilocybe coprophila</i>	0.002	0.000
	<i>Resupinatus alboniger</i>	0.002	0.000
	<i>Byssomerulius corium</i>	0.002	0.000
	<i>Thelephora</i> sp.	0.002	0.000
	<i>Eocronartium</i> sp.	0.002	0.000
	<i>Agaricales</i> sp. 2	0.000	0.002
	<i>Basidioidendron</i> sp.	0.000	0.002
	<i>Botryobasidium</i> sp.	0.000	0.002
	<i>Sebacina</i> sp. 2	0.000	0.002
	<i>Trimorphomycetaceae</i> sp.	0.000	0.002
	<i>Gloeodontia eriobotryae</i>	0.001	0.000
	<i>Meira argovae</i>	0.001	0.000
	<i>Genolevuria amylolytica</i>	0.001	0.000
	<i>Malassezia</i> sp.	0.000	0.001
<i>Calcarisporiellomycota</i>	<i>Calcarisporiella</i> sp.	0.035	0.010
	<i>Calcarisporiella thermophila</i>	0.019	0.000
<i>Chytridiomycota</i>	<i>Powellomyces</i> sp.	0.185	0.007
	<i>Rhizophlyctis rosea</i>	0.161	0.015
	<i>Chytridiomycota</i> sp. 2	0.087	0.029
	<i>Angulomyces argentinensis</i>	0.053	0.000
	<i>Spizellomyces</i> sp.	0.045	0.000
	<i>Chytridiomycota</i> sp. 1	0.021	0.000
	<i>Sonoraphlyctis ranzonii</i>	0.019	0.000
	<i>Rhizidium phycophilum</i>	0.000	0.009
	<i>Kappamyces</i> sp.	0.008	0.000
	<i>Rhizophlyctidales</i> sp.	0.004	0.000

	<i>Spizellomyces palustris</i>	0.000	0.003
<i>Glomeromycota</i>	<i>Glomeraceae</i> sp.	0.000	0.115
	<i>Glomeromycota</i> sp. 1	0.002	0.038
	<i>Acaulospora lacunosa</i>	0.012	0.009
	<i>Archaeosporales</i> sp.	0.004	0.016
	<i>Archaeospora</i> sp.	0.000	0.018
	<i>Gigaspora margarita</i>	0.000	0.016
	<i>Paraglomus occultum</i>	0.000	0.016
	<i>Gigaspora</i> sp.	0.000	0.012
	<i>Archaeospora trappei</i>	0.004	0.007
	<i>Cetraspora</i> sp.	0.000	0.007
	<i>Glomeromycota</i> sp. 2	0.000	0.007
	<i>Archaeosporaceae</i> sp. 2	0.000	0.006
	<i>Paraglomerales</i> sp.	0.004	0.000
	<i>Rhizophagus</i> sp. 1	0.000	0.004
	<i>Scutellospora heterogama</i>	0.000	0.003
	<i>Rhizophagus</i> sp. 2	0.000	0.003
	<i>Acaulospora</i> sp.	0.000	0.003
	<i>Gigaspora rosea</i>	0.002	0.000
	<i>Archaeosporaceae</i> sp. 1	0.000	0.002
<i>GS19</i>	<i>GS19</i> sp.	0.001	0.004
<i>Kickxellomycota</i>	<i>Kickxellales</i> sp.	0.000	0.055
	<i>Ramicandelaber</i> sp. 1	0.025	0.027
	<i>Linderina pennispora</i>	0.000	0.021
	<i>Ramicandelaber taiwanensis</i>	0.000	0.009
	<i>Ramicandelaber</i> sp. 2	0.000	0.002
<i>Monoblepharomycota</i>	<i>Monoblepharidomycetes</i> sp.	0.057	0.000
	<i>Oedogoniomyces</i> sp.	0.027	0.020
<i>Mortierellomycota</i>	<i>Mortierella elongata</i>	1.751	2.680
	<i>Mortierella humilis</i>	0.000	3.162
	<i>Mortierella</i> sp. 1	0.038	1.352
	<i>Mortierella</i> sp. 2	0.029	1.029
	<i>Mortierella parvispora</i>	0.737	0.014
	<i>Mortierella kuhlmanii</i>	0.000	0.341
	<i>Mortierella nantahalensis</i>	0.000	0.336
	<i>Mortierellomycota</i> sp. 2	0.000	0.243
	<i>Mortierella fimbriocystis</i>	0.141	0.000
	<i>Mortierellomycota</i> sp. 1	0.000	0.127
	<i>Mortierella minutissima</i>	0.000	0.124
	<i>Mortierella paraensis</i>	0.000	0.091
	<i>Mortierella pulchella</i>	0.000	0.074
	<i>Mortierella alpina</i>	0.048	0.000
	<i>Mortierella lignicola</i>	0.033	0.013
	<i>Mortierella gamsii</i>	0.031	0.000
	<i>Mortierella macrocystopsis</i>	0.000	0.026

	<i>Mortierella beljakovae</i>	0.000	0.021
	<i>Mortierella alliacea</i>	0.000	0.020
	<i>Mortierella gemmifera</i>	0.000	0.011
	<i>Mortierella sarnyensis</i>	0.001	0.000
<i>Mucoromycota</i>	<i>Umbelopsis isabellina</i>	0.003	1.181
	GS23 sp.	0.584	0.525
	<i>Umbelopsis ramanniana</i>	0.021	0.407
	<i>Absidia</i> sp.	0.062	0.178
	<i>Umbelopsis dimorpha</i>	0.015	0.159
	<i>Gongronella</i> sp. 2	0.000	0.105
	<i>Absidia pseudocylindrospora</i>	0.000	0.063
	<i>Isomucor trufemiae</i>	0.000	0.055
	<i>Mucor ramosissimus</i>	0.032	0.000
	<i>Gongronella koreana</i>	0.006	0.025
	<i>Umbelopsis</i> sp.	0.009	0.020
	<i>Gongronella butleri</i>	0.003	0.020
	<i>Absidia anomala</i>	0.000	0.024
	<i>Apophysomyces</i> sp.	0.000	0.022
	<i>Mucor circinelloides</i>	0.000	0.016
	<i>Mucor zychae</i>	0.000	0.016
	<i>Gongronella</i> sp. 1	0.000	0.014
	<i>Mucor amphibiorum</i>	0.000	0.010
	<i>Backusella lamprospora</i>	0.000	0.009
	<i>Mucor silvaticus</i>	0.000	0.009
	<i>Mucor</i> sp.	0.000	0.009
	<i>Umbelopsis autotrophica</i>	0.000	0.009
	<i>Mucoraceae</i> sp.	0.000	0.008
	<i>Umbelopsis changbaiensis</i>	0.000	0.007
	<i>Mucor genevensis</i>	0.005	0.000
	<i>Mucor nederlandicus</i>	0.000	0.003
<i>Rozellomycota</i>	GS11 sp.	0.015	0.403
	GS10 sp.	0.000	0.049
	<i>Rozellomycota</i> sp.	0.000	0.036
	GS05 sp.	0.000	0.003
	GS02 sp.	0.002	0.000
	GS04 sp.	0.000	0.001
<i>Fungi</i>	<i>Fungal</i> sp. 1	15.807	8.908
	<i>Fungal</i> sp. 2	5.651	5.444